

**AMENDMENTS TO THE DRAWINGS:**

As shown on the attached marked up copies, the label "PRIOR ART" (marked in red) has been added to FIGS. 12f, 14a, 14b, 15a-15g, 16a-16c, and 17. Formal drawings, consisting of 22 sheets, are also attached. No new matter has been added by the aforementioned changes.

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**REMARKS**

Claim 7 has been amended to obviate the Examiner's §112 rejection as to that claim and to claim 8 which depends thereon. As to claims 18 and 19, actually, on reflection, Applicant considers that claims 18 and 19 are properly drawn to Species III, FIGs. 3a-3c and 12c. Thus, Applicant respectfully requests that claims 18 and 19 be withdrawn from examination at this time.

The label "PRIOR ART" has been added to FIGs. 12f, 14a, 14b, 15a-15g, 16a-16c, and 17. Corrected formal drawings are enclosed. No new matter has been added by the aforementioned changes.

Turning to the art rejections, the rejections of claims 1-5, 9 and 16-17 under 35 USC §102(b) as being anticipated by Carden et al. (U.S. Patent No. 6,224,711) and claims 7 and 8 under 35 USC §103(a) as being unpatentable over Carden et al. are in error. Carden teaches in Fig. 4 adhering the plate 16 to the stiffener 8 by an adhesive 14. Even assuming that the adhesive 14 is the second resin as required by claim 1, Carden teaches an adhesive 14, which is not in contact with the other resin 12 (Fig. 4). Thus, Carden neither teaches nor suggests a second resin that fills a space between the semiconductor chip and the stiffener in contact with the first resin, as required by claims 1 and 7. Furthermore, there is neither teaching nor suggestion within the four corners of Carden that the first resin has a different thermal expansion coefficient than the second resin as also required by claims 1 and 7. Thus, Carden et al. does not achieve nor render obvious independent claims 1 and 7 or any claims which depend therefrom.

The rejection of claims 1-9, and 16-19 under 35 USC §102(e) as anticipated by Alcoe et al. (U.S. Patent No. 6,740,959) likewise is in error. Claims 18 and 19 have been withdrawn.

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As to the remaining claims, claims 1 and 7 require in part that the first and second resins have different thermal expansion coefficients. Nowhere does Alcoe et al. teach this feature! Thus, Alcoe et al. does not achieve or render obvious independent claims 1 and 7 nor any claims, which depend therefrom.

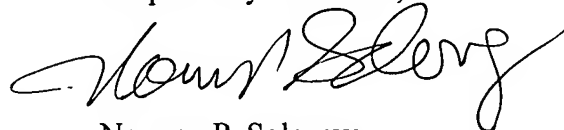
The rejection of claims 1-4, 7, 9 and 16-19 under 35 USC §103(a) as being anticipated by Johnson (U.S. Patent Publication No. 2002/0140108 A1) also is in error. As noted *supra* claims 18 and 19 have been withdrawn. As to the remaining claims, as previously mentioned, Johnson does not teach first and second resins having different thermal expansion coefficients as required by claims 1 and 7. Furthermore, even assuming arguendo that Johnson's member 26 is a second resin, nowhere does Johnson teach that this second member 26 is in contact with the first resin 20 (see Johnson, FIG. 1 and FIG. 4). Thus, Johnson does not achieve nor render obvious independent claims 1 and 7 nor any claims which depend therefrom.

An amended specification and replacement specification accompany this Amendment.

Having dealt with all the objections raised by the Examiner, the Application is believed to be in order for allowance. Early and favorable action is respectfully requested.

In the event there are any fee deficiencies or additional fees are payable, please charge them (or credit any overpayment) to our Deposit Account Number 08-1391.

Respectfully submitted,



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Serial No. 10/763,554  
Docket No. NEC 26485  
Amendment B

**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on February 17, 2006, at Tucson, Arizona.

By Kim Good

NPS:dd

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MARKED DRAWING FIGURES

SERIAL NO. 10/763,554

DOCKET: NEC 26485

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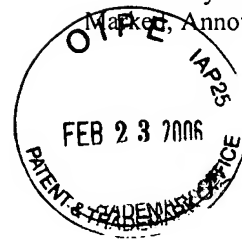


Fig.12a

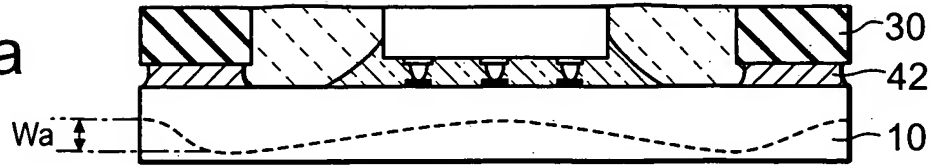


Fig.12b

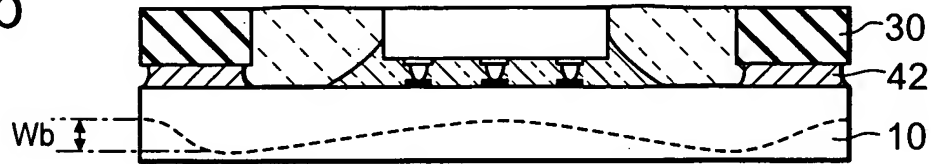


Fig.12c

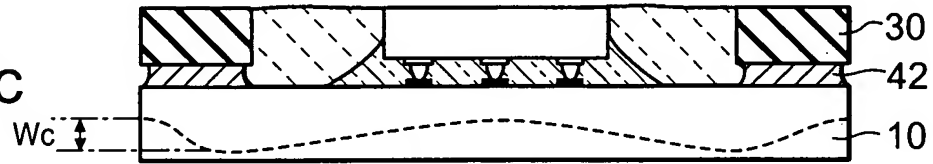


Fig.12d

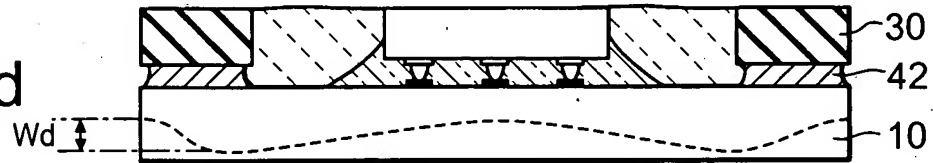


Fig.12e

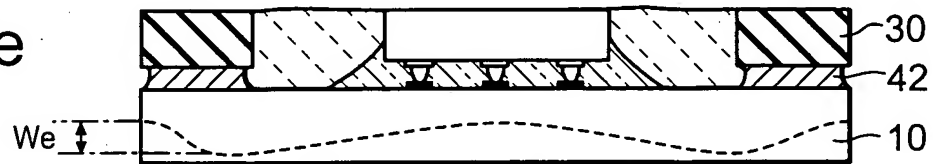
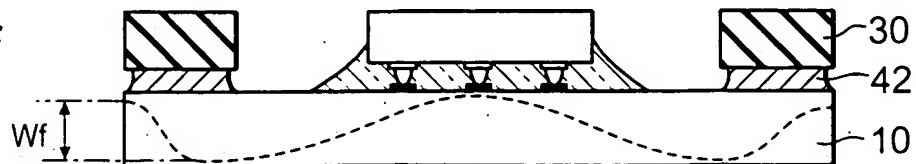


Fig.12f

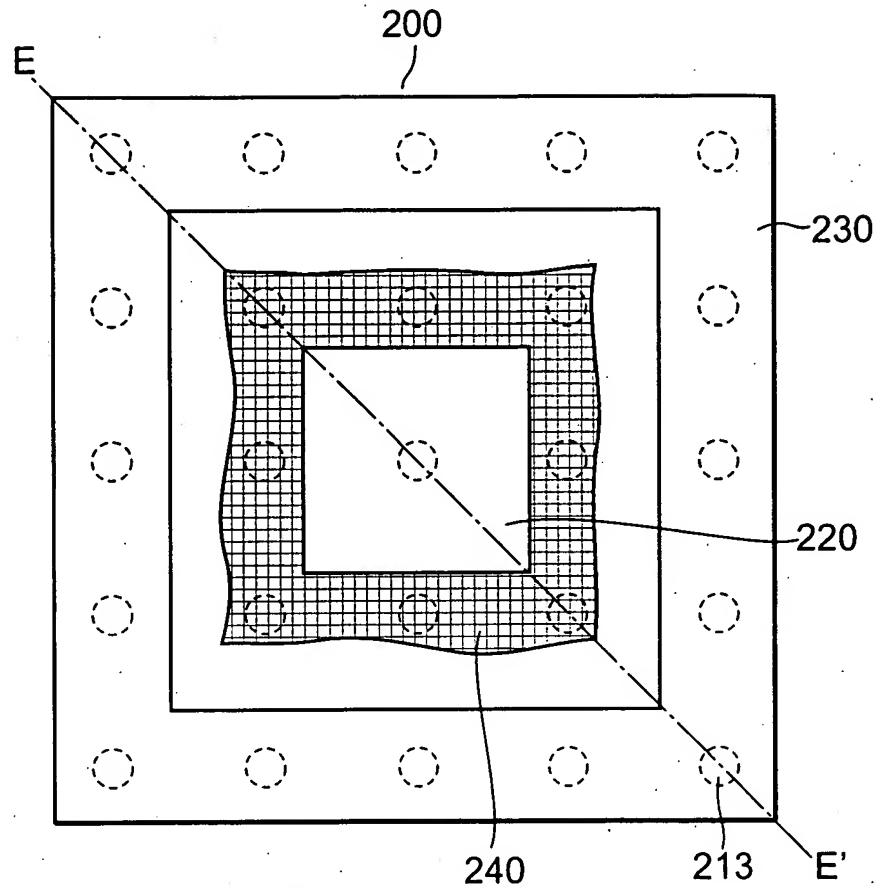


Prior Art

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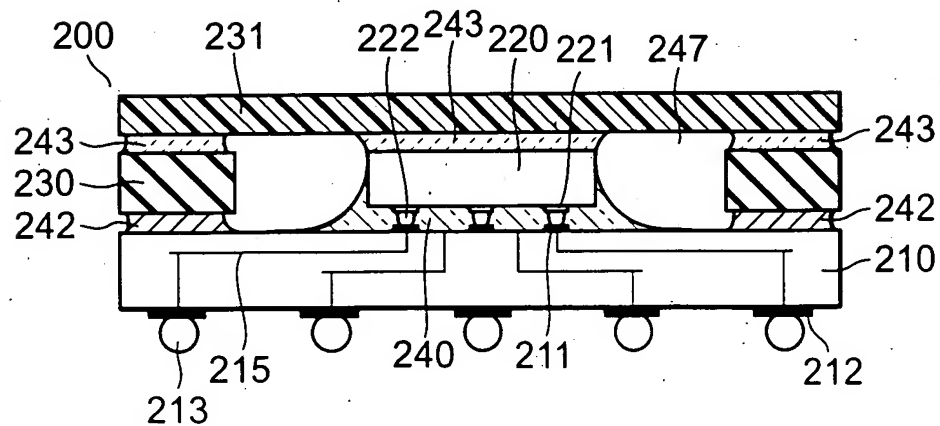
Prior Art

Fig.14a



Prior Art

Fig.14b



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Fig.15a

Prior Art

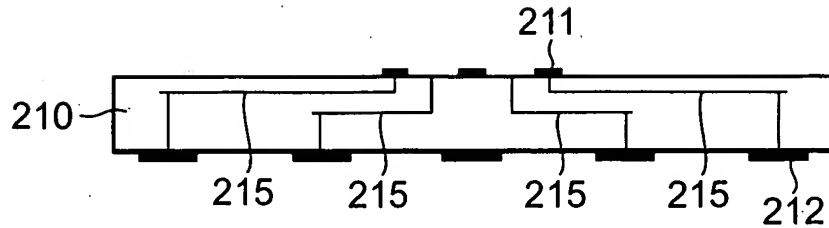


Fig.15b

Prior Art

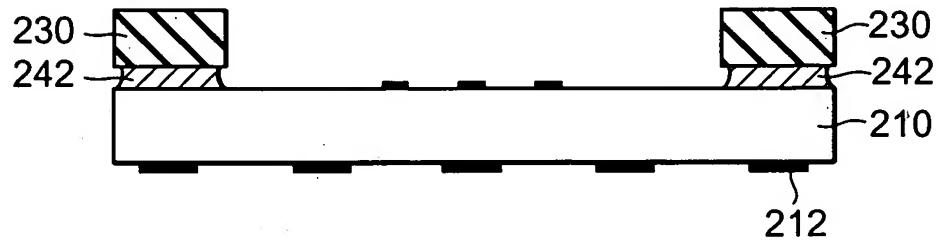


Fig.15c

Prior Art

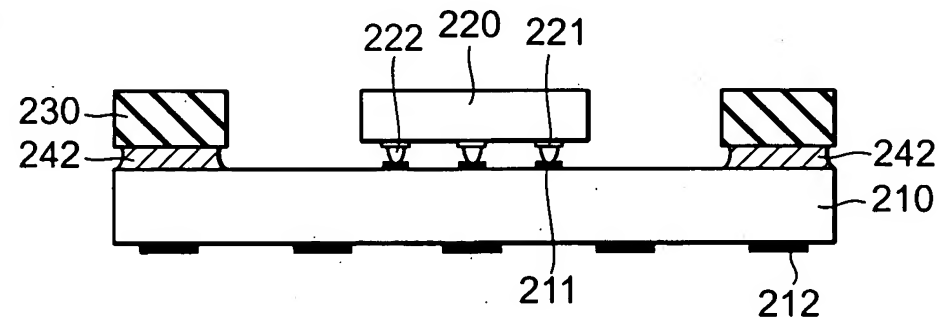
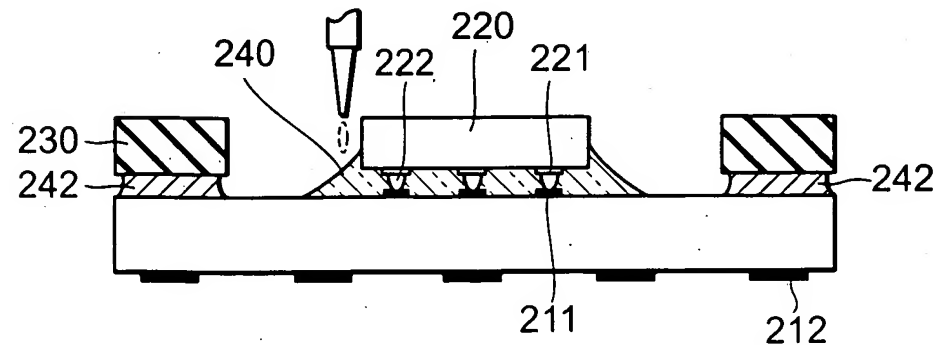


Fig.15d

Prior Art





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Fig. 15e

Prior  
Art

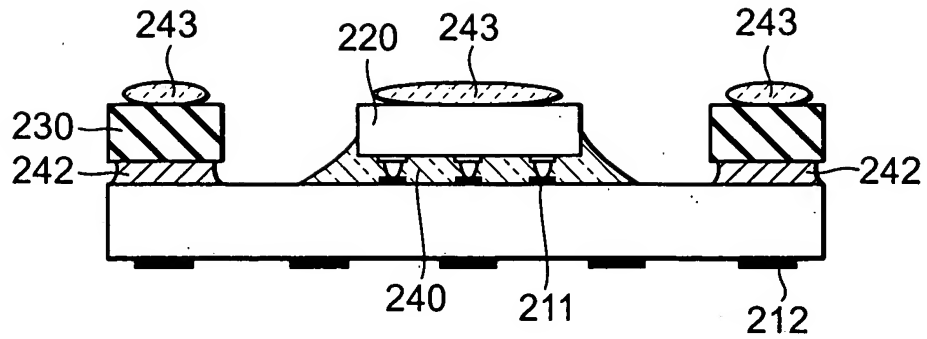


Fig. 15f

Prior  
Art

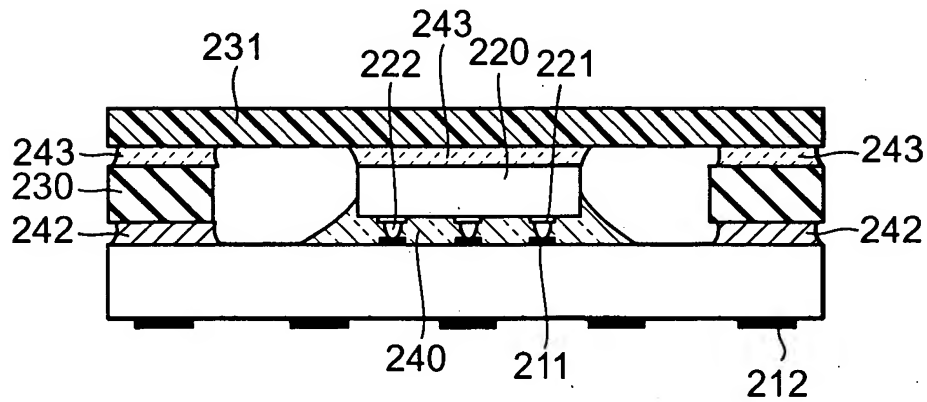
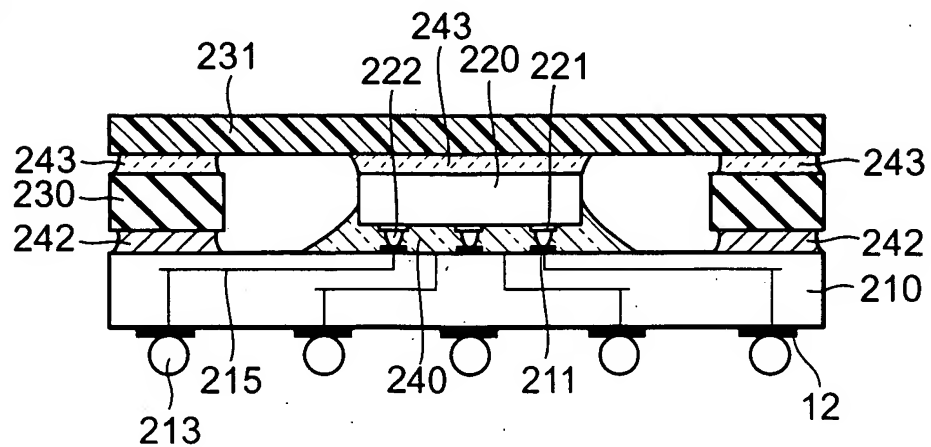


Fig. 15g

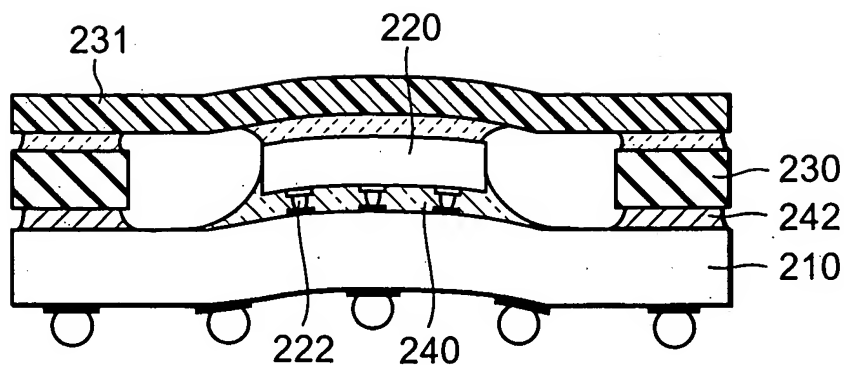
Prior  
Art



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Fig.16a

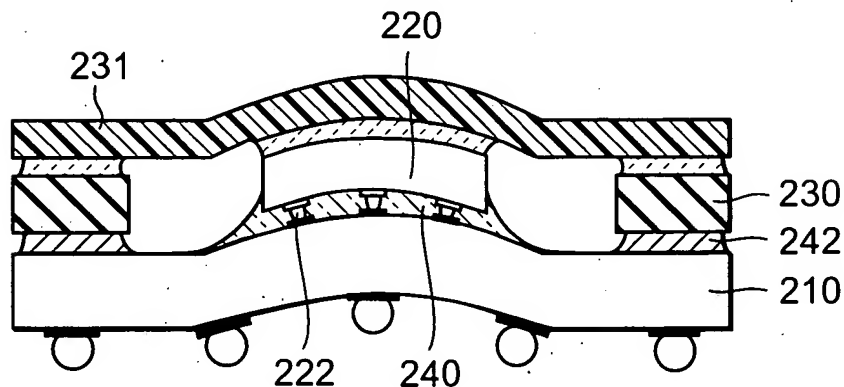
Prior  
Art



ROOM TEMPERATURE STATE (20°C)

Fig.16b

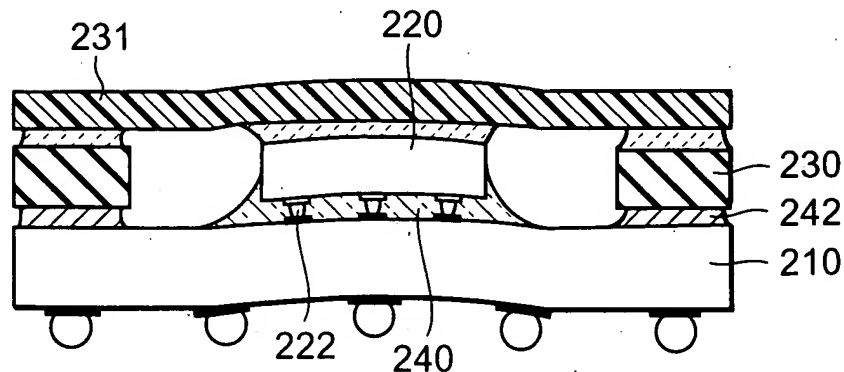
Prior  
Art



LOW TEMPERATURE STATE (-45°C)

Fig.16c

Prior  
Art



HIGH TEMPERATURE STATE (150°C)

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Prior Art

Fig.17

